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OCT 10 2000

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P#8

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/426,011

DATE: 09/27/2000
 TIME: 16:45:34

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\09272000\I426011.raw

SEQUENCE LISTING

- 1 (1) GENERAL INFORMATION:
 - 2 (i) APPLICANT: Simons, Michael
 - 3 Gao, Youhe
 - 4 (ii) TITLE OF INVENTION: Method for PR-39 peptide regulated
 - 5 stimulation of angiogenesis
 - 6 (iii) NUMBER OF SEQUENCES: 14
 - 7 (iv) CORRESPONDENCE ADDRESS:
 - 8 (A) ADDRESSEE: David Prashker, Esq.
 - 9 (B) STREET: P.O. Box 5387
 - 10 (C) CITY: Magnolia
 - 11 (D) STATE: Massachusetts
 - 12 (E) COUNTRY: USA
 - 13 (F) ZIP: 01930
 - 14 (v) COMPUTER READABLE FORM:
 - 15 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
 - 16 (B) COMPUTER: Dell Dimension PC
 - 17 (C) OPERATING SYSTEM: MS DOS
 - 18 (D) SOFTWARE: Microsoft Word Version 97
 - 19 (vi) CURRENT APPLICATION DATA:
 - 20 (A) APPLICATION NUMBER: US/09/426,011
 - 21 (B) FILING DATE: 25-Oct-1999
 - 22 (C) CLASSIFICATION: Unknown
 - 23 (viii) ATTORNEY/AGENT INFORMATION:
 - 24 (A) NAME: David Prashker, Esq.
 - 25 (B) REGISTRATION NUMBER: 29,693
 - 26 (C) REFERENCE/DOCKET NUMBER: BIS-043/CIP
 - 27 (ix) TELECOMMUNICATION INFORMATION:
 - 28 (A) TELEPHONE: (978) 525-3794
 - 29 (2) INFORMATION FOR SEQ ID NO: 1:
 - 30 (i) SEQUENCE CHARACTERISTICS:
 - 31 (A) LENGTH: 39 amino acids
 - 32 (B) TYPE: amino acid
 - 33 (C) STRANDEDNESS: single
 - 34 (D) TOPOLOGY: linear
 - 35 (ii) MOLECULE TYPE: peptide
 - 36 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 - 38 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Pro Pro
 - 39 1 5 10 15
 - 40 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
 - 41 20 25 30
 - 42 Arg Phe Pro Pro Arg Phe Pro
 - 43 35
 - 45 (2) INFORMATION FOR SEQ ID NO: 2:
 - 46 (i) SEQUENCE CHARACTERISTICS:
 - 47 (A) LENGTH: 39 amino acids
 - 48 (B) TYPE: amino acid

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49 (C) STRANDEDNESS: single
50 (D) TOPOLOGY: linear
51 (ii) MOLECULE TYPE: peptide
52 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
54 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro
55 1 5 10 15
56 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
57 20 25 30
58 Arg Phe Pro Pro Arg Phe Pro
59 35
61 (2) INFORMATION FOR SEQ ID NO: 3:
62 (i) SEQUENCE CHARACTERISTICS:
63 (A) LENGTH: 15 amino acids
64 (B) TYPE: amino acid
65 (C) STRANDEDNESS: single
66 (D) TOPOLOGY: linear
67 (ii) MOLECULE TYPE: peptide
68 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
70 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro
71 1 5 10 15
73 (2) INFORMATION FOR SEQ ID NO: 4:
74 (i) SEQUENCE CHARACTERISTICS:
75 (A) LENGTH: 11 amino acids
76 (B) TYPE: amino acid
77 (C) STRANDEDNESS: single
78 (D) TOPOLOGY: linear
79 (ii) MOLECULE TYPE: peptide
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
82 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
83 1 5 10
85 (2) INFORMATION FOR SEQ ID NO: 5:
86 (i) SEQUENCE CHARACTERISTICS:
87 (A) LENGTH: 8 amino acids
88 (B) TYPE: amino acid
89 (C) STRANDEDNESS: single
90 (D) TOPOLOGY: linear
91 (ii) MOLECULE TYPE: peptide
92 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
94 Arg Arg Arg Pro Arg Pro Pro Tyr
95 1 5
97 (2) INFORMATION FOR SEQ ID NO: 6:
98 (i) SEQUENCE CHARACTERISTICS:
99 (A) LENGTH: 39 amino acids
100 (B) TYPE: amino acid
101 (C) STRANDEDNESS: single
102 (D) TOPOLOGY: linear
103 (ii) MOLECULE TYPE: peptide
104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
106 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro

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107 1      5      10      15
108 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
109      20      25      30
110 Arg Phe Pro Pro Arg Phe Pro
111      35
113 (2) INFORMATION FOR SEQ ID NO: 7:
114   (i) SEQUENCE CHARACTERISTICS:
115     (A) LENGTH: 11 amino acids
116     (B) TYPE: amino acid
117     (C) STRANDEDNESS: single
118     (D) TOPOLOGY: linear
119   (ii) MOLECULE TYPE: peptide
120   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
122 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
123 1      5      10
125 (2) INFORMATION FOR SEQ ID NO: 8:
126   (i) SEQUENCE CHARACTERISTICS:
127     (A) LENGTH: 255 amino acids
128     (B) TYPE: amino acid
129     (C) STRANDEDNESS: single
130     (D) TOPOLOGY: linear
131   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
133 Met Ser Ser Ile Gly Thr Gly Tyr Asp Leu Ser Ala Ser Thr Phe Ser
134 1      5      10      15
135 Pro Asp Gly Arg Val Phe Gln Val Glu Tyr Ala Met Lys Ala Val Glu
136      20      25      30
137 Asn Ser Ser Thr Ala Ile Gly Ile Arg Cys Lys Asp Gly Val Val Phe
138      35      40      45
139 Gly Val Glu Lys Leu Val Leu Ser Lys Leu Tyr Glu Glu Gly Ser Asn
140      50      55      60
141 Lys Arg Leu Phe Asn Val Asp Arg His Val Gly Met Ala Val Ala Gly
142 65      70      75      80
143 Leu Leu Ala Asp Ala Arg Ser Leu Ala Asp Ile Ala Arg Glu Glu Ala
144      85      90      95
145 Ser Asn Phe Arg Ser Asn Phe Gly Tyr Asn Ile Pro Leu Lys His Leu
146      100     105     110
147 Ala Asp Arg Val Ala Met Tyr Val His Ala Tyr Thr Leu Tyr Ser Ala
148      115     120     125
149 Val Arg Pro Phe Gly Cys Ser Phe Met Leu Gly Ser Tyr Ser Ala Asn
150      130     135     140
151 Asp Gly Ala Gln Leu Tyr Met Ile Asp Met Ser Gly Val Ser Tyr Gly
152 145      150     155     160
153 Tyr Trp Gly Cys Ala Ile Gly Lys Ala Arg Gln Ala Ala Lys Thr Glu
154      165     170     175
155 Ile Glu Lys Leu Gln Met Lys Glu Met Thr Cys Arg Asp Val Val Lys
156      180     185     190
157 Glu Val Ala Lys Ile Ile Tyr Ile Val His Asp Glu Val Lys Asp Lys
158      195     200     205
159 Ala Phe Glu Leu Glu Leu Ser Trp Val Gly Glu Leu Thr Lys Gly Arg

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160 210 215 220
161 His Glu Ile Val Pro Lys Asp Ile Arg Glu Glu Ala Glu Lys Tyr Ala
162 225 230 235 240
163 Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
164 245 250 255
166 (2) INFORMATION FOR SEQ ID NO: 9:
167 (i) SEQUENCE CHARACTERISTICS:
168 (A) LENGTH: 4 amino acids
169 (B) TYPE: amino acid
170 (C) STRANDEDNESS: single
171 (D) TOPOLOGY: linear
172 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
174 Ala Glu Arg Asp
175 1
177 (2) INFORMATION FOR SEQ ID NO: 10:
178 (i) SEQUENCE CHARACTERISTICS:
179 (A) LENGTH: 1 amino acid
180 (B) TYPE: amino acid
181 (C) STRANDEDNESS: single
182 (D) TOPOLOGY: linear
183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
185 Ala
186 1
188 (2) INFORMATION FOR SEQ ID NO: 11:
189 (i) SEQUENCE CHARACTERISTICS:
190 (A) LENGTH: 24 amino acids
191 (B) TYPE: amino acid
192 (C) STRANDEDNESS: single
193 (D) TOPOLOGY: linear
194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
196 Lys Lys His Glu Glu Glu Ala Lys Ala Glu Arg Glu Lys Lys Glu
197 1 5 10 15
198 Lys Glu Gln Lys Glu Lys Asp Lys
199 20
201 (2) INFORMATION FOR SEQ ID NO: 12:
202 (i) SEQUENCE CHARACTERISTICS:
203 (A) LENGTH: 16 amino acids
204 (B) TYPE: amino acid
205 (C) STRANDEDNESS: single
206 (D) TOPOLOGY: linear
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
209 Glu Lys Glu Lys Glu Glu Asn Glu Lys Lys Lys Gln Lys Lys Ala Ser
210 1 5 10 15
212 (2) INFORMATION FOR SEQ ID NO: 13:
213 (i) SEQUENCE CHARACTERISTICS:
214 (A) LENGTH: 27 amino acids
215 (B) TYPE: amino acid
216 (C) STRANDEDNESS: single
217 (D) TOPOLOGY: linear

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PATENT APPLICATION: US/09/426,011 TIME: 16:45:34

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Output Set: N:\CRF3\09272000\I426011.raw

218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
220 Glu Glu Arg Pro Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu
221 1 5 10 15
222 Pro Ala Glu Lys Ala Asp Glu Pro Met Glu His
223 20 25
225 (2) INFORMATION FOR SEQ ID NO: 14:
226 (i) SEQUENCE CHARACTERISTICS:
227 (A) LENGTH: 16 amino acids
228 (B) TYPE: amino acid
229 (C) STRANDEDNESS: single
230 (D) TOPOLOGY: linear
231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
233 Ala Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
234 1 5 10 15

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/426,011

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L:20 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:21 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]